

M/051/0001
7224

Leslie Heppler <lheppler@utah.gov>

Draft Review Heber Quarry M/051/0001

1 message

**E-MAILED****Leslie Heppler** <lheppler@utah.gov>

Tue, Mar 29, 2016 at 1:51 PM

To: lthomas@starstonesales.com

Cc: Paul Baker <paulbaker@utah.gov>, Lynn Kunzler <LYNNKUNZLER@utah.gov>

The attached review is a **draft** copy of the OGM review of your latest submittal. The edited copy of the review will be finalized, signed and sent out as soon as possible. Certain portions of the review are incomplete at this time, due to either lack of information, incomplete information, or inconsistent data in the NOI.

The following areas of the permit have not been reviewed at this time:

- Soils and vegetation - Specifically Previous comments 15, 16, 17, 18 and 36 have not been reviewed at this time. A Site inspection by the Division will be done prior to our response. We anticipate being available for inspection during the next few weeks.

All of the above sections will be reviewed in your finalized, signed review.

It is the goal of OGM to send out the most thorough and detailed review possible as per R647-4-101. 1.

If you have any further questions please don't hesitate to call me at [801-538-5257](tel:801-538-5257) thx-lah

—
Utah Division of Oil, Gas & Mining

Office hours - Mon thru Fri 8-5

[\(801\) 538-5340](tel:801-538-5340)

Leslie Heppler

lhheppler@utah.govDirect line [\(801\) 538-5257](tel:801-538-5257) (Mon -Thur)

Thank you for reading this electronic correspondence.

Please consider the environment before printing.

**REV3-7224-03072016-DRAFT.docx**

32K

DRAFT

March 29, 2016

Lon Thomas
Star Stone Quarries
4040 South 300 West
Salt Lake City, Utah 84107

Subject: Third Review of Amended Notice of Intention to Commence Large Mining Operations, Star Stone Quarries, Heber Quarry, M/051/0001, Wasatch County, Utah

Dear Mr. Thomas:

The Division of Oil, Gas and Mining has reviewed the referenced amended Notice of Intention to Commence Large Mining Operations (NOI) which was received February 29, 2016. The attached comments will need to be addressed before the amendment can be incorporated into the plan.

The comments are listed under the applicable Minerals Rule heading; please format your response in a similar fashion. Please address only those items requested in the attached technical review by submitting replacement pages in redline and strikeout text. After the notice is determined technically complete, the Division will ask that you submit two clean copies of the complete and corrected plan. Upon final approval, these copies will be stamped approved, and one will be returned for your records.

Please submit your response to this review by June 29, 2016.

The Division will suspend further review until your response is received. If you have any questions regarding the review, please contact me (pbb) at 801-538-5261, or the appropriate reviewer: Leslie Heppler (lah) at 801-538-5257. Peter Brinton (pnb) at 801-538-5258, Wayne Western (whw) at 801-538-5263, or Lynn Kunzler (lk) at 801-538-5310. Thank you for your cooperation in submitting the revised NOI.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB:lah:eb
Attachment: Review
O:\M051-Wasatch\M0510001-HeberQuarry\draft\REV3-7224-03072016.docx

**Third REVIEW OF AMENDMENT NOTICE OF INTENTION
TO COMMENCE LARGE MINING OPERATIONS**

**Star Stone Quarries
Heber Quarry
M/051/0001
March 29, 2016**

General Comments:

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
1	General	The Division may have additional comments based on the response to this review.	lah	

105.3 - Drawings or Cross Sections (slopes, roads, pads, etc.)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
2	Key #9A	Please scan in "Key #9a" at a higher resolution as it is difficult to read.	lah	

109.5 - Actions to mitigate any impacts

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
3	Page 18	Typo – change "accebtible" to acceptable.	lah	

R647-4-110 - Reclamation Plan

110.3 - Description of facilities to be left (post mining use)

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
4	Page 22, Section 110.3, and Maps 5a and 6	<p><i>Previous comment: Map 6 shows “ultimate reclamation” which includes one access road, but Section 110.3 of the text says, “The two, 30’ wide main access roads will be left to provide access to and across the property for post mine use.” While this statement in the text may be referring to an intermediate stage of the mine and reclamation (see Map 5a), it implies there will be two access roads at final reclamation which is in conflict with Map 6. Please revise the plan to make these sections consistent and to clarify the reclamation plan.</i></p> <p>New comment: The variance section includes a request to allow two 15-foot-wide roads after five years and after final reclamation.</p> <p>There should be no reason to have a variance for a road since roads facilitate postmining land uses. A discussion about leaving roads is contained in Section 110.3, so the variance request can and should be eliminated. Please put the description of the road width in Section 110.3: ‘These “cut and fill” roadways require approximately 10’ of downslope, 2’ of berm, 15’ of roadway, and 3’ of slope on the uphill cut making a 30’ wide footprint.’</p> <p>The Division is willing to allow two main roads (as stated in Section 110.3), but Maps 5 and 5a (5 Year Reclamation) show two roads plus two spurs. The spur roads should be eliminated, and this needs to be made clear. Maps 4 and 6 (Ultimate Reclamation) show just one road, so the text needs to be modified to be consistent with these maps.</p> <p>Maps 5 and 5a should be modified to show that the spurs would be reclaimed. The text should contain a statement that, if mining proceeds beyond approximately 2021, there will be just one road and the road position will be as shown on Maps 4 and 6.</p>	pbb	
			pbb	

R647-4-112 – Variance

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
5	Page 25	A variance has been requested for access to be left after five years of reclamation, but not after final reclamation. Please provide written text justification for leaving multiple access roads. Written justification is also needed for a road width of 30 feet.	lah	

R647-4-113 – Surety

Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
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Comment #	Sheet/Page/Map/Table #	Comments	Initials	Review Action
6	Appendix 8	<p><i>Previous comment : There is a line item for general site cleanup and trash removal, but there are no costs associated with transporting the material or disposing of it. Please include such costs.</i></p> <p>New comment : The disposal cost is listed in Appendix 8 as \$100.00. Disposal costs are a localized cost. Please include rates from the facilities where the materials will be shipped. Note that fuel tanks, oils, grease and other fluids require special handling.</p>	whw	
7	Appendix 8	<p><i>Previous Comment : Please show the costs associated with transporting quarry fines from the waste rock site to areas which will be covered in subsoil.</i></p> <p>New comment : Please show the locations of the quarry fines stockpiles on the maps so that the Division can verify that no additional costs will be needed for transportation at time of reclamation.</p>	whw whw	
8	Appendix 8	<p><i>Previous Comment : Please include costs for transporting subsoil and topsoil to the sites where the material will be deposited.</i></p> <p>New Comment : Please show the locations of the subsoils and topsoils stockpiles on the maps so that the Division can verify that no additional costs will be needed for transportation at time of reclamation.</p>	whw whw	
9	p. 22 and Appendix 8	<p><i>Previous Comment : Please include costs for reestablishing natural drainages.</i></p> <p>New Comment : The NOI states that no drainages will be affected in the current 5 year mining plan. Please state in the NOI that no drainages will be affected. If drainages are to be affected the Operator will amend the NOI and post additional bond.</p>	whw whw	
10	p. 22 and Appendix 8	<p><i>Previous Comment : Please include line items for removal/disposal of the 500-gallon fuel tank and other fluids, oils and grease.</i></p> <p>New Comment : Please state sources for costs to remove the fuel tanks and other products.</p>	whw whw	
11	p. 22 and Appendix 8	Please include costs for removal/disposal of trailers and scales.	whw	
12	Appendix 8	Please supply the original input and output data.	whw	
13	Appendix 8	Please supply supporting data for volumes of materials to be move and the haul distances.	whw	
14	p. 22 and Appendix 8	<p><i>Previous Comment : The plan says a front end loader will be used to transport materials, but there are no mobilization/demobilization costs for the front end loader. Neither are there any costs associated with the loader's operator.</i></p> <p>New Comment : The cost for the operator for front end loader and dozer are listed but the rental and operating costs for the front end loader and dozer are not listed.</p>	whw whw	
15		Please include reference for all unit costs. When possible use costs from Equipment Watch's Bluebook and/or R. S. Means.	whw	
16		In addition to the contingency fee also include 2.5% engineering redesign, 6.8% main office expense, 2.5% project management fee.	whw	